Contents

NUMBER 1

1 Editorial

3 Errata

5 *Serge Berné, Jean-Paul Auffret and P. Walker.* Internal structure of subtidal sandwaves revealed by high-resolution seismic reflection

21 *Steven G. Fryberger, Christopher J. Schenk and Lee F. Krystinik.* Stokes surfaces and the effects of near-surface groundwater-table on aeolian deposition

43 *Keith F. Watts.* Triassic carbonate submarine fans along the Arabian platform margin, Sumeini Group, Oman

73 *A. Laval, M. Cremer, P. Beghin and C. Ravenne.* Density surges: two-dimensional experiments

85 *Hervé Chamley, Pierre Debrabant and René Flicoteaux.* Comparative evolution of the Senegal and eastern Central Atlantic Basins, from mineralogical and geochemical investigations

105 *Michael R. Rosen, Donald E. Miser and John K. Warren.* Sedimentology, mineralogy and isotopic analysis of Pellet Lake, Coorong Region, South Australia

123 *Gilbert Camoin, Marie-Claire Bernet-Rolande and Jean Philip.* Rudist-coral frameworks associated with submarine volcanism in the Maastrichtian of the Pachino area (Sicily)

139 *Paul H. Bridges and Amanda J. Chapman.* The anatomy of a deep water mud-mound complex to the southwest of the Dinantian platform in Derbyshire, UK

163 *K. P. N. Jones, I. N. McCave and P. D. Patel.* A computer-interfaced sedigraph for modal size analysis of fine-grained sediment

173 Forthcoming papers

NUMBER 2

175 *Robert S. Anderson.* The pattern of grainfall deposition in the lee of aeolian dunes

189 *B. T. Werner and P. K. Haff.* The impact process in aeolian saltation: two-dimensional simulations

197 *Nanna Noe-Nygaard and Finn Surlyk.* Washover fan and brackish bay sedimentation in the Berriasian-Valanginian of Bornholm, Denmark

219 *A. Colella and A. D'Alessandro.* Sand waves, *Echinocardium* traces and their bathyal depositional setting (Monte Torre Palaeostrait, Plio-Pleistocene, southern Italy)

239 *Moon Young Choe and Sung Kwun Chough.* The Hunghae Formation, SE Korea: Miocene debris aprons in a back-arc intraslope basin

257 *B. Buchbinder, C. Benjamini, Y. Mimran and G. Gvirtzman.* Mass transport in Eocene pelagic chalk on the northwestern edge of the Arabian platform, Shefela area, Israel

275 *Bruce W. Nocita.* Soft-sediment deformation (fluid escape) features in a coarse-grained pyroclastic-surge deposit, north–central New Mexico

287 *Paul Enos.* Evolution of pore space in the Poza Rica trend (Mid-Cretaceous), Mexico

327 *John D. Humphrey*. Late Pleistocene mixing zone dolomitization, southeastern Barbados, West Indies

349 *T. R. Astin and I. C. Scotchman*. The diagenetic history of some septarian concretions from the Kimmeridge Clay, England

367 Forthcoming papers

NUMBER 3

369 *André Strasser*. Shallowing-upward sequences in Purbeckian peritidal carbonates (lowermost Cretaceous, Swiss and French Jura Mountains)

385 *John M. Dawans and Peter K. Swart*. Textural and geochemical alternations in Late Cenozoic Bahamian dolomites

405 *Nicola K. Möller and Knut Kvingan*. The genesis of nodular limestones in the Ordovician and Silurian of the Oslo Region (Norway)

421 *David J. Cullen*. Mineralogy of nitrogenous guano on the Bounty Islands, SW Pacific Ocean

429 *Gary G. Lash*. Sedimentology and evolution of the Martinsburg Formation (Upper Ordovician) fine-grained turbidite depositional system, central Appalachians

449 *R. Boyd, D. L. Forbes and D. E. Heffler*. Time-sequence observations of wave-formed sand ripples on an ocean shoreface

465 *Nicholas Eyles, Carolyn H. Eyles and A. Marshall McCabe*. Late Pleistocene subaerial debris flow facies of the Bow Valley, near Banff, Canadian Rocky Mountains

481 *James L. Best*. Sediment transport and bed morphology at river channel confluences

499 *W. G. Nickling*. The initiation of particle movement by wind

513 *Werner K. Illenberger and Izak C. Rust*. A sand budget for the Alexandria coastal dunefield, South Africa

DISCUSSIONS

523 *Emilio Saccani*. Longitudinal petrographic variations in a Middle Ordovician trench deposit, central Appalachian Orogen

524 *Gary G. Lash*. (Reply)

527 *John Shaw*. Coarse-grained sediment gravity flow facies in a large supraglacial lake

529 *N. Eyles, B. M. Clark and J. J. Clague*. (Reply)

531 Book Reviews

547 Forthcoming papers

NUMBER 4

549 *Terrence H. Donnelly, John H. Shergold and Peter N. Southgate*. Anomalous geochemical signals from phosphatic Middle Cambrian rocks in the southern Georgina Basin, Australia

571 *R. Raiswell*. Evidence for surface-reaction controlled growth of carbonate concretions in shales

577 *K. Amiri-Garroussi*. Eocene spheroidal dolomite from the western Sirte Basin, Libya

587 *Kevin Hird and Maurice E. Tucker*. Contrasting diagenesis of two Carboniferous oolites from South Wales; a tale of climatic influence

603 *V. P. Wright, N. H. Platt and W. A. Wimbledon*. Biogenic laminar calcretes: evidence of calcified root-mat horizons in paleosols

621 *Susan Bartsch-Winkler*. Cycle of earthquake-induced aggradation and related tidal channel shifting, upper Turnagain Arm, Alaska, USA

629 *William R. Normark and Christina E. Gutmacher*. Sur submarine slide, Monterey fan, central California

649 *Karen G. Havholm and Gary Kocurek*. A preliminary study of the dynamics of a modern draa, Algodones, southeastern California, USA

671 *R. D. Sarre*. Evaluation of aeolian sand transport equations using intertidal zone measurements, Saunton Sands, England

681 *Paul D. Komar and Zhenlin Li*. Applications of grain-pivoting and sliding analyses to selective entrainment of gravel and to flow-competence evaluations

697 *Lisa Tauxe and Catherine Badgley*. Stratigraphy and remanence acquisition of a palaeomagmetic reversal in alluvial Siwalik rocks of Pakistan

717 Forthcoming papers

NUMBER 5

719 *Mariano Marzo, Wouter Nijman and Cai Puigdefàbregas*. Architecture of the Castissent fluvial sheet sandstones, Eocene, South Pyrenees, Spain

739 *David M. Uhlir, Arthur Akers and Carl F. Vondra*. Tidal inlet sequence, Sundance Formation (Upper Jurassic), north-central Wyoming

753 *John S. Bridge and James L. Best*. Flow, sediment transport and bedform dynamics over the transition from dunes to upper-stage plane beds: implications for the formation of planar laminae

765 *Donald R. Lowe*. Suspended-load fallout rate as an independent variable in the analysis of current structures

777 *Robert H. Goldstein*. Paleosols of Late Pennsylvanian cyclic strata, New Mexico

805 *Laura L. Dominguez, Henry T. Mullins and Albert C. Hine*. Cat Island platform, Bahamas: an incipiently drowned Holocene carbonate shelf

821 *Djafar M. Aissaoui*. Magnesian calcite cements and their diagenesis: dissolution and dolomitization, Mururoa Atoll

842 *R. P. Major, R. B. Halley and K. J. Lucas*. Cathodoluminescent bimineralic ooids from the Pleistocene of the Florida continental shelf

857 Book reviews

879 Forthcoming papers

NUMBER 6

881 *F. Massari and G. C. Parea*. Progradational gravel beach sequences in a moderate- to high-energy, microtidal marine environment

915 *Lars Henrik Nielsen, Peter N. Johannessen and Finn Surlyk*. A Late Pleistocene coarse-grained spit platform sequence in northern Jylland, Denmark

939 *M. L. Sweet, Jamie Nielson, K. Havholm and John Farralley*. Algodones dune field of southeastern California: case history of a migrating modern dune field

953 *Gary A. Smith*. Sedimentology of proximal to distal volcaniclastics dispersed across an active foldbelt: Ellensburg Formation (late Miocene), central Washington

979 *Ryo Matsumoto, Azuma Iijima and Tetsuya Katayama*. Mixed-water and hydrothermal dolomitization of the Pliocene Shirahama Limestone, Izu Peninsula, central Japan

999 Forthcoming Papers